

10/539402
Rec'd PCT/PTO 22 DEC 2005

PATENT APPLICATION
Attorney's Do. No. 3915-003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Christine Margarete Unger;
Gerald Beste; Carolin Zehetmeier;
Blanca Lain; Claudia Torella;
Jens Niewöhner; Daniel G. Jay;
Brenda K. Eustace; Roland Knauer;
Kristian Hobold Jensen

Serial No. 10/539,402

Filed:

For: NEUROPILIN-1 INHIBITORS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
AND REVOCATION OF PRIOR POWERS

I, MARGARET E. NEWELL, VICE PROVOST (title),

of TUFTS UNIVERSITY (assignee), having a place of business at 136 Harrison Avenue,
Boston, Massachusetts 02111, assignee of the entire right, title and interest of the above-
described U.S. patent application, by the assignment submitted under separate cover for recordal
(copy enclosed), represent that I am empowered to sign on behalf of assignee.

BEST AVAILABLE COPY


As assignee of the above identified application, all powers of attorney previously given are hereby revoked and the attorneys or agents associated with **Customer No. 20575** are hereby appointed to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Direct all telephone calls to Alexander C. Johnson, Jr. at (503) 222-3613 and send all correspondence to the following address associated with **Customer No. 20575**:

Marger Johnson & McCollom, P.C.
1030 S.W. Morrison Street
Portland, Oregon 97205

TUFTS UNIVERSITY

Date: Oct. 3, 2005


Name: **MARGARET E. NEWELL**
Title: **VICE PROVOST**

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD
ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned **Daniel G. Jay of Watertown, MA** and **Brenda K. Eustace of Brookline, MA**, hereby

Sell, assign and transfer to **Tufts University of Medford, MA 02155**, its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE, their entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed **December 20, 2002**, Serial No. **60/435,893**, PCT Patent Application filed **December 22, 2003**, Serial No. **PCT/EP2003/014756**, and EPO Patent Application filed **January 15, 2003**, Serial No. **03000615.9**, entitled "**NEUROPILIN-1 INHIBITORS**" and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agree that said ASSIGNEE may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said ASSIGNEE, agree to carry out in good faith the intent and purpose of this assignment by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said ASSIGNEE all facts known to us relating to said inventions and the history thereof, and generally by doing everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said ASSIGNEE.

Hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

Covenant with said ASSIGNEE that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by them, and that full right to convey the same as herein expressed is possessed by them.

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

IN WITNESS WHEREOF, I hereto set my hand and seal at Boston,
MA this 28th day of Sept, 2005

STATE OF Massachusetts
SS.
COUNTY OF Suffolk

[Signature]
Daniel G. Jay

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

Before me this 28th day of September, 2005, personally appeared
Daniel G. Jay known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

[Notary's Seal Here]



THOMAS J. McVARISH
Notary Public
Commonwealth of Massachusetts
My Commission Expires
October 20, 2006

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at Boston,
Mass. this 26th day of September, 2005

STATE OF Massachusetts
SS.
COUNTY OF Suffolk

[Signature]
Brenda K. Eustace

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

Before me this 26th day of September, 2005, personally appeared
Brenda K. Eustace known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

[Signature]
My Commission Expires:

[Notary's Seal Here]

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD



THOMAS J. McVARISH
Notary Public
Commonwealth of Massachusetts
My Commission Expires
October 20, 2006

ASSIGNMENT

Assignor:

Christine Margarete Unger
~~Amtd-Strasse 11~~ *De Klesch-21*
80469 Munich *81543*
Germany

Ms 2.10.05

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

Gerald Beste
Helmpertstr 2
80687 Munich
Germany

Carolin Zehetmeier
St. Martin Strasse 3
81541 Munich
Germany

Blanca Lain
100 Washington Street, Apartment 7
Brighton, Massachusetts 02135

Claudia Torella
Brodstr. 6A
81829 Munich
Germany

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

Jens Niewöhner
Wengleinstrasse 3
81477 Munich
Germany

Roland Knauer
Gabelsberger Strasse 63
80333 Munich
Germany

Kristian Hobold Jensen
Daisersrasse 50
81371 Munich
Germany

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

Assignee:

Xerion Pharmaceuticals AG

Address:

Sauerbruchstr. 50
81377 München

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

ASSIGNMENT

Assignor:

Christine Margarete Unger

Arndt Strasse 11
80469 Munich
Germany

Gerald Beste

~~Heimporstr. 2~~
~~80687 Munich~~
~~Germany~~

Flat 5 Gateway
218 Cambridge Road
Great Shelford
CB2 5J4

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

1/16, 9/10/15

Carolin Zehetmeier U.K.

St. Martin Strasse 3
81541 Munich
Germany

Blanca Lain

100 Washington Street, Apartment 7
Brighton, Massachusetts 02135

Claudia Torella

Brodstr. 6A
81829 Munich
Germany

Jens Niewöhner

Wengleinstrasse 3
81477 Munich
Germany

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

Roland Knauer

Gabelsberger Strasse 63
80333 Munich
Germany

Kristian Hobold Jensen

Daisersrasse 50
81371 Munich
Germany

Assignee:

Xerion Pharmaceuticals AG

Address:

Sauerbruchstr. 50
81377 München

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

ASSIGNMENT

Assignor: **Christine Margarete Unger**
Arndt Strasse 11
80469 Munich
Germany

Gerald Beste
Helmpertstr 2
80687 Munich
Germany

Carolin Zehetmeier
St. Martin Strasse 3
81541 Munich
Germany

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

Blanca Lain
~~100 Washington Street, Apartment 7~~
~~Brighton, Massachusetts 02135~~

12 HOPE DALE ST.
ALLSTON, MA 02134-1235
USA

Claudia Torella
Brodstr. 6A
81829 Munich
Germany

Jens Niewöhner
Wengleinstrasse 3
81477 Munich
Germany

Roland Knauer
Gabelsberger Strasse 63
80333 Munich
Germany

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

Kristian Hobold Jensen
Daisersrasse 50
81371 Munich
Germany

Assignee: **Xerion Pharmaceuticals AG**

Address: Sauerbruchstr. 50
81377 München

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

ASSIGNMENT

Assignor: Christine Margarete Unger
Arndt Strasse 11
80469 Munich
Germany

Gerald Beste
Helmpertstr 2
80687 Munich
Germany

Carolin Zehetmeier
St. Martin Strasse 3
81541 Munich
Germany

Blanca Lain
100 Washington Street, Apartment 7
Brighton, Massachusetts 02135

Claudia Torella
~~Brodstr. 6A~~ JÖRGSTR. 62
~~81829 Munich~~ 80689 MUNICH
~~Germany~~ GERMANY

Jens Niewöhner
Wengleinstrasse 3
81477 Munich
Germany

Roland Knauer
Gabelsberger Strasse 63
80333 Munich
Germany

Kristian Hobold Jensen
Daisersrasse 50
81371 Munich
Germany

Assignee: Xerion Pharmaceuticals AG

Address: Sauerbruchstr. 50
81377 München

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

ASSIGNMENT

Assignor:

Christine Margarete Unger
Arndt Strasse 11
80469 Munich
Germany

Gerald Beste
Helmpertstr 2
80687 Munich
Germany

Carolin Zehetmeier
St. Martin Strasse 3
81541 Munich
Germany

Blanca Lain
100 Washington Street, Apartment 7
Brighton, Massachusetts 02135

Claudia Torella
Brodstr. 6A
81829 Munich
Germany

Jens Niewöhner
Wengleinstrasse 3
81477 Munich
Germany

Roland Knauer
~~Gabelsberger Strasse 63~~
~~80333 Munich~~
Germany

*Dürerstr. 11
35039 Marburg
R. Knauer, 2005-10-04*

Kristian Hobold Jensen
Daisersrasse 50
81371 Munich
Germany

Assignee:

Xerion Pharmaceuticals AG

Address:

Sauerbruchstr. 50
81377 München

**COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD**

Title of
Invention: NEUROPILIN-1 INHIBITORS

U.S. Patent Application:


Application Serial No.: 10/539,402

Filing Date:

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues, non-provisionals and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, non-provisional and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at Munich, Germany, this 02 day of October, 2003



Christine Margarete Unger
Assignor

Witness:



Executed at London, this 9th day of October, 2005.



Gerald Beste

Assignor

Witness:



COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

Executed at Munich, Germany, this 30 day of Sept, 2005.

Carol Zehetmeier
Carolyn Zehetmeier

Assignor

Witness:

A. Fiegl

Andreas Fiegl
St. Martin Str. 3
81541 München

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

Executed at ALLSTON, Massachusetts, this 3rd day of OCTOBER 2005.

Blanca Lais
Blanca, Lais

Assignor

Witness

[Signature]

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

Executed at Munich, Germany, this 8 day of OCTOBER, 2005.

Claudia Torella
Claudia Torella

Assignor

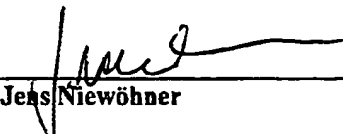
Witness:

AT-Jung

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

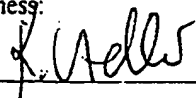
COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

Executed at Munich, Germany, this 4. day of October, 2005.



Jens Niewöhner
Assignor

Witness:



COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

Marburg
Executed at ~~Munich~~, Germany, this 4th day of October, 2005.

Roland Knauer
Roland Knauer

Assignor

Witness:

Barbel Kretschmer
(Barbel Kretschmer)

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

Executed at Munich, Germany, this 29th day of September, 2005.

Kristian Hobold Jensen

Kristian Hobold Jensen

Assignor

Witness:

P. Thonke

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

COPY OF ORIGINAL
ASSIGNMENT
DO NOT RECORD

Attorney's Do. No. 3915-003

**DECLARATION FILED WITH U.S. DESIGNATED
OFFICE UNDER 35 U.S.C. 371(c)(4)**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled NEUROPILIN-1 INHIBITORS described and claimed in international application number PCT/EP2003/014756, filed 22 December 2003, and as amended on _____ (if any), which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Sec. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Sec. 119(a)-(d) or Sec. 365(b) of any foreign application(s) for patent or inventor's certificate or Sec. 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

<u>03000615.9</u>	<u>Europe</u>	<u>15 January 2003</u>	<input checked="" type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	Yes

Declaration
US National phase
PCT/EP2003/014756
NEUROPILIN-1 INHIBITORS

I hereby claim the benefit under Title 35, United States Code, Sec. 119(e) of any United States provisional application listed below:

Provisional Application No.

Filing Date

60/435.893

20 December 2002

I hereby claim the benefit under Title 35, United States Code, Sec. 120 or §365 (c) of any PCT international application designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Sec. 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/EP2003/014756

22 December 2003

pending

(Applic. Serial No.)

(Filing Date)

(Status) (patented, pending,
abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first co-inventor:

Christine Margarete Unger

Inventor's signature



02.10.05
(Date)

Residence:


Germany

Citizenship:

Germany

Post Office address:

~~Arndt-Strasse 11~~ Oefelestr. 21
~~80469 Munich~~ 81543
Germany


02.10.05

Declaration

US National phase

PCT/EP2003/014756

NEUROPILIN-1 INHIBITORS

Full name of second co-inventor:

2nd
Gerald Beste

Inventor's signature

[Signature]

3/10/05

(Date)

Residence:

~~Germany~~ U.K.

Citizenship:

Germany

Post Office address:

~~Helmpertstr 2~~
~~80687 Munich~~
~~Germany~~

Flat 5 Gateway
218 Cambridge Road
Great Shelford
CB2 5JH
U.K.

CBX

[Signature], 3/10/05

Declaration

US National phase

PCT/EP2003/014756

NEUROFILIN-1 INHIBITORS

Full name of third co-inventor:

3-0
Carolyn Zehetmeier

Inventor's signature

Carol Zehetmeier

30.9.05

(Date)

Residence:

Germany

Citizenship:

Germany

Post Office address:

St. Martin Strasse 3

81541 Munich

Germany

Def

Declaration

US National phase

PCT/EP2003/014756

NEUROFILIN-1 INHIBITORS

Full name of fourth co-inventor:

4-0
Blanca Lain

Inventor's signature

Blanca Lain

October 3rd, 2005
(Date)

Residence:

ALLSTON
Brighton, Massachusetts

B.L. 10/03/05

Citizenship:

Spain

Post Office address:

~~100 Washington Street, Apartment 7~~
~~Brighton, Massachusetts 02135~~

12 HOPEDALE ST.
ALLSTON, MA 02134-1235
USA

B.L. 10/03/05

Declaration
US National phase
PCT/EP2003/014756
NEUROPILIN-1 INHIBITORS

3-0

Full name of fifth co-inventor:

Claudia Torella

Inventor's signature

Claudia Torella

8.10.2005

(Date)

Residence:

Germany

Citizenship:

Italy

Post Office address:

~~Bredstr. 6A~~
~~81829 Munich~~
~~Germany~~

JÖRGSTR. 62
80689 MUNICH
GERMANY

Def

CJD

Declaration

US National phase

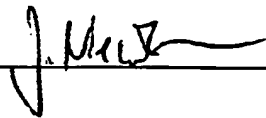
PCT/EP2003/014756

NEUROFILIN-1 INHIBITORS

Full name of sixth co-inventor:


Jens Niewöhner

Inventor's signature



4.10.2005
(Date)

Residence:

Germany

Citizenship:

Germany

Post Office address:

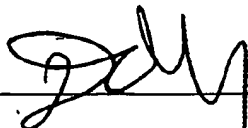
~~Wengleinstrasse 3~~ Schuchstr. 15 J.N.
81477 Munich
Germany

Declaration
US National phase
PCT/EP2003/014756
NEUROPILIN-1 INHIBITORS

Full name of seventh co-inventor:

7-10
Daniel G. Jay

Inventor's signature



2/21/05
(Date)

Residence:

United States of America

Citizenship:

Canadian

Post Office address:

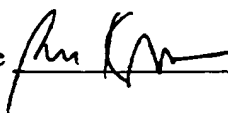
45 Bigelow Street
Brighton, Massachusetts 02135 MA

Declaration
US National phase
PCT/EP2003/014756
NEUROPILIN-1 INHIBITORS

Full name of eighth co-inventor:

8-20
Brenda K. Eustace

Inventor's signature



7/26/2005
(Date)

Residence:

United States of America

Citizenship:

United States of America

Post Office address:

Coolidge PE MA
95 Coolidge Street, #2
Brookline, Massachusetts 02446

Declaration
US National phase
PCT/EP2003/014756
NEUROPILIN-1 INHIBITORS

9-00

Full name of ninth co-inventor:

Roland Knauer

Inventor's signature

Roland Knauer

04.10.2005

(Date)

Residence:

Germany

Citizenship:

Germany

Post Office address:

~~Gabelsberger Strasse 63~~

~~80333 Munich~~

Germany

Dürer str. 11

35037 Marburg

RK

R. Knauer, 2005-10-04

Declaration

US National phase

PCT/EP2003/014756

NEUROFILIN-1 INHIBITORS

Full name of tenth co-inventor:

10-00
Kristian Hobold Jensen

Inventor's signature

Kristian H.

29th September 2005
(Date)

Residence:

Germany

Citizenship:

Denmark

Post Office address:

Daisersrass 50
81371 Munich
Germany

[Handwritten signature]

Declaration
US National phase
PCT/EP2003/014756
NEUROPILIN-1 INHIBITORS

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINE(S) OR MARKS ON ORIGINAL DOCUMENT**
- ☒ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.